

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (Cancelled)

1 2. (Currently Amended) ~~The method of claim 1, further comprising A~~
2 method of determining communications channel performance, comprising:
3 calculating a data communications speed of the communications channel
4 based on records used for high-speed access qualification;
5 determining an actual data communications speed of the communications
6 channel;
7 comparing the calculated data communications speed and the actual data
8 communications speed to determine if the records are accurate; and
9 generating a value for updating the records in response to a difference
10 between the calculated data communications speed and actual data communications
11 speed.

1 3. (Original) The method of claim 2, further comprising providing a user
2 interface to display content of the records stored in the database.

1 4. (Original) The method of claim 3, wherein generating the value comprises
2 receiving user modification of the content of the records displayed in the user interface.

1 5. (Currently Amended) The method of claim ~~[[1]]~~ 2, wherein calculating
2 the data communications speed of the communications channel comprises calculating the
3 data communications speed of a Digital Subscriber Line subscriber loop.

1 6. (Original) The method of claim 5, wherein determining the actual data
2 communications speed comprises accessing a value in a Digital Subscriber Line access
3 module.

1 7. (Currently Amended) The method of claim [[1]] 2, further comprising
2 accessing the records in a database system, the records containing at least one of the
3 following information: insulation type of a cable included in the communications
4 channel; a percentage of a large gauge section of the cable; a percentage of a small gauge
5 section of the cable; a gauge size of the large gauge section; a gauge size of the small
6 gauge section of the cable; an installation technique of the large gauge section; and an
7 installation technique of the small gauge section.

1 8. (Currently Amended) The method of claim [[1]] 2, further comprising
2 accessing the records in a database system, the records containing at least one of the
3 following information: insulation type of a cable included in the communications
4 channel; a percentage of a large gauge section of the cable; a percentage of a small gauge
5 section of the cable; a gauge size of the large gauge section; a gauge size of the small
6 gauge section of the cable; an installation technique of the large gauge section; an
7 installation technique of the small gauge section; a filling type for the large gauge
8 section; a filling type for the small gauge section; an indication of a region at which the
9 cable is located; an indication of a distance of a communications channel segment
10 between a Digital Subscriber Line access module and a wire distribution frame; and an
11 indication of a gauge of a cable in the communications channel segment between the
12 Digital Subscriber Line access module and wire distribution frame.

1 9. (Currently Amended) The method of claim [[1]] 2, wherein calculating
2 the data communications speed of the communications channel based on the records
3 comprises calculating the data communications speed of the communications channel
4 based on the records indicating physical characteristics of the communications channel.

1 10. (Original) The method of claim 9, wherein calculating the data
2 communications speed further comprises determining electrical characteristics based on
3 the records indicating physical characteristics of the communications channel.

1 11. (Original) The method of claim 10, wherein calculating the data
2 communications speed comprises causing test equipment to probe the communications
3 channel to determine a length of the communications channel.

1 12. (Original) The method of claim 10, wherein calculating the data
2 communications speed of the communications channel comprises calculating the data
3 communications speed of a Digital Subscriber Line subscribe loop.

1 13. (Currently Amended) The method of claim [[1]] 2, further comprising:
2 calculating an updated data communications speed of the communications
3 channel based on the updated records; and
4 comparing the updated data communications speed with the actual data
5 communications speed to determine if a difference exists between the updated data
6 communications speed and the actual data communications speed.

1 14. (Original) The method of claim 13, further comprising generating another
2 value to update the records in response to the difference between the updated data
3 communications speed and the actual data communications speed.

1 15. (Currently Amended) The method of claim [[1]] 2, wherein calculating
2 the data communications speed of the communications channel comprises calculating the
3 data communications speed of a communications channel between customer premise
4 equipment and an access module.

1 16. (Currently Amended) The method of claim [[1]] 2, wherein calculating
2 the data communications speed of the communications channel comprises calculating the
3 data communications speed of a group of plural subscriber loops coupled to respective
4 plural customer premise equipment.

1 17. (Original) An article comprising at least one storage medium containing
2 instructions that when executed cause one or more systems to:
3 access records pertaining to characteristics of a communications channel;
4 determine variance between a predicted data communications speed of the
5 communications channel based on the records and an actual data communications speed
6 of the communications channel; and
7 update the records based on the determined variance.

1 18. (Original) The article of claim 17, wherein the instructions when executed
2 cause the one or more systems to access the records pertaining to the characteristics of a
3 Digital Subscriber Line subscriber loop.

1 19. (Currently Amended) The article of claim 18, wherein the instructions
2 when executed cause the one or more systems to access records pertaining to [[the]]
3 physical characteristics of Digital Subscriber Line subscriber loop.

1 20. (Original) The article of claim 17, wherein the instructions when executed
2 cause the one or more systems to access records pertaining to the characteristics of a
3 group of Digital Subscribe Line subscriber loops, the communications channel
4 comprising the group of Digital Subscribe Line subscriber loops.

1 21. (Original) The article of claim 17, wherein the instructions when executed
2 cause the one or more systems to further calculate the predicted data communications
3 speed based on the records.

1 22. (Original) The article of claim 17, wherein the instructions when executed
2 cause the one or more systems to further provide a graphical user interface to display the
3 records.

1 23. (Original) The article of claim 22, wherein the instructions when executed
2 cause the one or more systems to update the records in response to user input of one or
3 more updated values.

1 24. (Original) The article of claim 17, wherein the instructions when executed
2 cause the one or more systems to further determine the actual data communications speed
3 by accessing a value in a Digital Subscribe Line access module.

1 25. (Original) The article of claim 17, wherein the instructions when executed
2 cause the one or more systems to further perform a loop qualification process of the
3 communications channel using the updated records to qualify the communications
4 channel for Digital Subscribe Line data access.

1 26. (Currently Amended) A system comprising:
2 an interface adapted to access records pertaining to characteristics of a
3 communications channel; and
4 a controller adapted to receive an estimated bandwidth of the
5 communications channel that is calculated based on the records;
6 the controller adapted to receive an indication of an actual bandwidth of
7 the communications channel;
8 the controller adapted to compare the estimated bandwidth with the actual
9 bandwidth and to update the records to reduce a variance between the calculated
10 bandwidth and the estimated bandwidth in response to the comparing.

1 27. (Original) The system of claim 26, wherein the communications channel
2 comprises a Digital Subscriber Line subscriber loop.

1 28. (New) The method of claim 2, wherein generating the value for updating
2 the records comprises generating the value that is for adjusting a value contained in the
3 records in response to the difference being greater than a predefined threshold.

1 29. (New) The article of claim 17, wherein updating the records comprises
2 updating the records to change at least a value in the records in response to determining
3 that the variance exceeds a predefined threshold.

1 30. (New) The system of claim 26, wherein the records are updated by
2 changing at least a value in the records in response to determining that the variance is
3 greater than a predefined threshold.